

Claims 1-34 (canceled)

¹
~~35~~(NEW) An assay for determining the activity of a protein - protein interaction comprising a) transforming a cell with a first vector containing a gene encoding a fusion protein comprising a protein containing a modular protein binding domain MPBD and an exogenously introduced coil - coil(heterodimerization domain (wherein said gene comprises a WIN-ZIP-A1 synthetic amphipathic helix and with a second vector containing a gene encoding a second fusion protein comprising a binding site for the MPBD and an exogenously introduced second coiled-coil dimerization domain interactive with the first dimerization domain, (wherein said gene) comprises a WIN-ZIP-B1 synthetic amphipathic helix, b) culturing the transformed cell, c) comparing the activity to a base line control, d) detecting and measuring changes in activity for determining the activity of the protein - protein interaction, wherein the MPBD domain consists of src homology 3 (SH₃) and wherein the protein containing the modular protein binding domain (MPBD), which contains a WIN-ZIP-A1 helix is a tyrosine kinase.

²
~~36~~. (NEW) The assay of claim ¹~~35~~ wherein the base line control constitutes at least two cells wherein each of said cells is transformed by one of the two vectors and not the other.